

SUBSTITUTE FORM PTO-1449  
MODIFIED)DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
07256/005001SERIAL NO.  
08/705,243INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
(Use several sheets if necessary)APPLICANT:  
Firestein et al.FILING DATE  
8/30/96GROUP  
1632

37 CFR 1.98(b)

## U.S. PATENT DOCUMENTS

| XAMINER INITIAL | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

|  | DOCUMENT NUMBER | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |
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|  |                 |                  |                          |       |          | YES         |
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| AA | Markarov et al., Gene Ther (Aug 1995), 2(6):424-428                   |
| AB | Nita et al., Arthritis Rheum (May 1996), 39(5):820-828                |
| AC | Ghivizzani et al., Gene Ther (Sep 1997), 4(9):977-982                 |
| AD | Nguyen et al., J Rheumatol (Jun 1998), 25(6):1118-1125                |
| AE | Bandara et al., Proc Natl Acad Sci USA (Nov 1993), 90(22):10764-10768 |
| AF | Hung et al., Gene Ther (Jan 1994), 1(1):64-69                         |
| AG | Evans et al., Hum Gene Ther (Jun 1996), 7(10):1261-1280               |
| AH | Muller-Ladner et al., (Apr 1997), 158(7):2492-2498                    |
| AI | Bakker et al., Arthritis Rheum (May 1997), 40(5):893-900              |
| AJ | Chernajovsky et al., Gene Ther (June 1997), 4(6):553-559              |
| AK | Le et al., Arthritis Rheum (Sep 1997), 40(9):1662-1669                |
| AL | Bessis et al., Clin Exp Immunol (Feb 1998), 111(2):39-396             |
| AM | Okamoto et al., Gene Ther (Mar 1998), 5(3):331-338                    |
| AN | Ghivizzani et al., Proc Natl Acad Sci USA (Apr 1998), 95(8):4613-4618 |
| AO | Parks et al., J Immunol (May 1998), 160(9):4615-4619                  |
| AP | Song et al., J Clin Invest (June 1998), 101(12):2615-2621             |
| AQ | Ma et al., J Immunol (Aug 1998), 161(3):1516-1524                     |
| AR | Takayanagi et al., ACR 62nd National Meeting, Nov. 8-12, 1998         |
| AS | Kohasaka et al., ACR 62nd National Meeting, Nov. 8-12, 1998           |
| AT | Lubberts et al., ACR 62nd National Meeting, Nov. 8-12, 1998           |
| AU | Pelletier et al., ACR 62nd National Meeting, Nov. 8-12, 1998.         |

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## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL |  | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS |
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## OTHER DOCUMENTS (including Author, Title, Date, Place of Publication).

|    |  |
|----|--|
| AA | Evans and Robbins, 1996, "Pathways to gene therapy in rheumatoid arthritis," <i>Curr. Opin. Rheumatol.</i> 8(3):230-4  |
| AB | Makarov et al., 1996, "Suppression of experimental arthritis by gene transfer of interleukin 1 receptor antagonist cDNA," <i>Proc. Nat'l. Acad. Sci.</i> 93(1):402-6   |
| AC | Chernajovsky et al., 1995, "Inhibition of transfer of collagen-induced arthritis into SCID mice by ex vivo infection of spleen cells with retroviruses expressing soluble tumor necrosis factor receptor," <i>Gene Ther.</i> 2(10):731-5 |
| AD | Hanania et al., 1995, "Recent Advances in the Application of Gene Therapy to Human Disease," <i>Am. J. Med.</i> 99(5):537-552  |
| AE | Evans and Robbins, 1995, "Progress toward the Treatment of Arthritis by Gene Therapy," <i>Ann. Med.</i> 27(5):543-546  |
| AF | Zang et al., 1997, "Amelioration of Collagen-induced Arthritis by CD95 (Apo-1/Fas)-ligand Gene Transfer," <i>J. Clin. Invest.</i> 100(8):1951-1957   |
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## U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | PATENT NUMBER | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|---------------|------------|----------|-------|----------|----------------------------|
| AA               |               |            |          |       |          |                            |
| AB               |               |            |          |       |          |                            |
| AC               |               |            |          |       |          |                            |
| AD               |               |            |          |       |          |                            |
| AE               |               |            |          |       |          |                            |
| AF               |               |            |          |       |          |                            |
| AG               |               |            |          |       |          |                            |
| AH               |               |            |          |       |          |                            |
| AI               |               |            |          |       |          |                            |
| AJ               |               |            |          |       |          |                            |
| AK               |               |            |          |       |          |                            |

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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|----|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|    |                 |                  |                          |       |          | YES         | NO |
| AL |                 |                  |                          |       |          |             |    |
| AN |                 |                  |                          |       |          |             |    |
| AH |                 |                  |                          |       |          |             |    |
| AO |                 |                  |                          |       |          |             |    |
| AP |                 |                  |                          |       |          |             |    |

## OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

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| All | AQ | Bandara et al., "Gene Transfer to Synoviocytes: Prospects for Gene Treatment of Arthritis", <i>DNA and Cell Biology</i> , 1992, Vol. 11, No. 3 pp. 227-231  |
|     | AR | Roessler et al., "Adenoviral-mediated Gene Transfer to Rabbit Synovium In Vivo", <i>Journal of Clinical Investigation</i> , August, 1993, Vol. 92, pp. 1085-1092  |
| AS  |    | Firestein et al., "Apoptosis in Rheumatoid Arthritis Synovium", <i>Arthritis and Rheumatism</i> , Abstracts of Scientific Presentations, September 1994, Vol. 37, No. 9 (Supplement), p. S311, Abstract 899 |

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| FORM PTO-1449<br>U.S. Department of Commerce Patent and Trademark Office |  | Docket No.<br>UCSD1160-3      | Serial No.:<br>09/363,997                     | RECEIVED<br>JUN 04 2002 |
|  |  | Applicants: Firestein et al.  |   |                         |
| INFORMATION DISCLOSURE STATEMENT<br>BY APPLICANT                         |  | Filing Date:<br>July 29, 1999 | TECH CENTER 1600/2900<br>Group Art Unit: 1632 |                         |

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| EXAM.<br>INITIALS |  | DOCUMENT<br>NUMBER | DATE | NAME | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|-------------------|--|--------------------|------|------|-------|---------------|----------------|
|                   |  | None               |      |      |       |               |                |

### FOREIGN PATENT DOCUMENTS

| EXAM.<br>INITIALS |    | DOCUMENT<br>NUMBER | DATE       | COUNTRY | CLASS | SUB-<br>CLASS | TRANSLATION<br>(YES/NO) |
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| AC                | AA | 0 390 323 A2       | 10/03/1990 | EP      |       |               |                         |
| AB                | AB | WO 94/18992        | 09/01/1994 | PCT     |       |               |                         |

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| AC | Fries, J.F. et al., "Nonsteroidal Anti-Inflammatory Drug-Associated Gastropathy Incidence and Risk Factor Models," <i>American Journal of Medicine</i> , Abstract, Vol. 91, No. 3, 1991, pgs. 213-222. |
| AD | Makoto, Asamoto et al., "Mutations and Expression of the p53 Gene In Rat Bladder Carcinomas and Cell Lines," <i>Molecular Carcinogenesis</i> , Abstract, Vol. 9, No. 4, 1994, pgs. 236-244.            |
| AE | Mountz, John D. et al., "Autoimmune Disease: A Problem of Defective Apoptosis," <i>Arthritis &amp; Rheumatism</i> , Vol. 37, No. 10, October 1994, pgs. 1415-1420.                                     |
| AF | Reme, Thierry et al., "Exon 6 Mutations of the p53 Tumor Suppressor Gene In Erosive Rheumatoid Arthritis," <i>Arthritis &amp; Rheumatism</i> , Abstract, Vol. 38, No. 9 Suppl., 1995, page S188        |
| AG | Wiman, K.G. et al., "Mutant P53 Detected In a Majority of Burkitt Lymphoma Cell Lines By Monoclonal Antibody PAB240," <i>Oncogene</i> , Abstract, Vol. 6, No. 9, 1991, pgs. 1633-1640.                 |

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| EXAMINER<br><i>John D. Mountz</i> | DATE CONSIDERED<br><i>9/29/02</i> |
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